

DATE: 11.10.2016

TO: ProTrak

FROM: Bill McDow
Transportation Planning

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■ McDonald's -2702 College Road [TRC Plan Review]

All comments are based on adopted policy documents, specific City of Wilmington Land Development Code (CofW LDC) and City of Wilmington Technical Standards and Specifications Manual (CofWTSSM) requirements in effect at the time of this review. These have been noted after the comment as appropriate for your ease in further research.

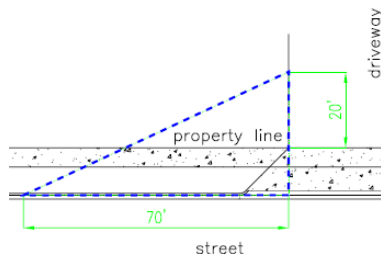
The City Engineer may administratively approve dimensional variance requests per LDC Sec. 18-348. If the Applicant feels further interpretation is in order, please contact Transportation Planning directly to discuss in additional detail. Please apply for all administrative variances in writing, an email is acceptable or this may be included on the plan set. Please see Sec. 18-348 of the Land Development Code for the information required to process a variance request.

BASE INFORMATION:

- If pavement markings on site have weathered to the point they are not in accordance with the MUTCD standard of maintenance, do not show the markings as existing, and rather show them as proposed on the site plan.

TECHNICAL STANDARDS – ACCESS (driveway, sidewalk, and sight distance):

1. Show transition between the drive aisle and the proposed drive thru.
2. The minimum one-lane drive aisle width behind 60 degree angle parking is 14'. [Page 7-19 CofW Tech Stds]
3. Please show the location of proposed and existing pavement markings on the site, ADA, Landscape and utility plans. Stop Bars and directional arrows must be shown.
4. The proposed sidewalk connection between the site and the public sidewalk, exceeds the 5% slope for an accessible sidewalk. The connection from the public sidewalk is typically not a curb ramp.
5. Distinguish between proposed and existing sidewalk(s) and provide dimensions.
6. Provide sidewalk detail SD 3-10 on the plan.
7. Show all adjacent traffic signs and pavement markings on the plan. [Sec. 18-529(b)(2) CofW LDC]
8. Show and apply the City's 20'x70' sight distance triangle at each driveway on the site plan and landscaping plan. [Sec.18-529(c)(3)CofW LDC] Add a note indicating that all proposed vegetation within sight triangles shall not interfere with clear visual sight lines from 30"-10'. [Sec.18-566 CofW LDC]



TECHNICAL STANDARDS – PARKING:

9. Dimension parking stalls, radii and parking aisles. [\[Sec. 18-529\(b\)\(2\) CofW LDC\]](#)
10. The 60 degree parking does not meet the minimum standard vehicle parking space size of 8.5' in width by 20' in length. [\[Chapter VII, Table 6, Page 7-19 CofW Tech Stds\]](#)
11. The minimum radius is 25' for any portion of a parking lot adjacent to a travel way (i.e. islands at the end of a parking bay) for parking that is open to the public. If the travel way will not be used for emergency service vehicles or truck traffic, you may request a tighter radius, the minimum is 15'. This request must be made in writing. [\[Chapter VII, Detail SD 15-13 CofWTSSM\]](#)
12. Provide 4" curb height adjacent to any retaining walls/ curbing to allow for car overhang and prevention of cars hitting the wall.
13. A minimum of 2.5' vehicle overhang is required between parking spaces and signs/ sidewalks.
14. Provide a turning movement analysis of a trash truck and Fire Engine at site.
15. Please add the required number and the proposed number to the site data table and graphically indicate on the plans the location of bike parking. [\[Sec.18-528 CofW LDC\]](#)

TECHNICAL STANDARDS – Barrier Free Design:

16. The 5' sidewalk as proposed where adjacent to 90 degree parking spaces does not meet ADA requirements. An allowance for a 2.5' vehicle overhang must be considered. 4' of the sidewalk must remain clear for pedestrian use. [\[Chapter VII, Detail SD 15-13 CofWTSSM\]](#)
17. The proposed 5' sidewalk and accessible path to the building does not meet ADA requirements. Additionally, the 8% slope for the sidewalk does not match the ADA notes, which state that the exterior walkway will not exceed 5% slope.
18. The Curb ramp and accessible landing appear to be reversed on the plan.
19. Please show location of handicap ramp(s) and signs and provide details on the plan.
20. Note the required and proposed number of handicapped spaces in the development data. [\[Sec. 18-529\(b\)\(2\) CofW LDC\]](#)
21. Note/label the plan with spot elevations that clearly indicate the accessible route from the HC space(s) to the building. [\[Sec. 18-529\(b\)\(2\) CofW LDC\]](#)

GENERAL NOTES TO ADD TO THE PLAN:

- A. All pavement markings in public rights-of-way and for driveways are to be thermoplastic and meet City and/or NCDOT standards. [\[Detail SD-13 CofW Tech Stds\]](#)
- B. All signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. [\[Detail SD 15-13 CofW Tech Stds\]](#)
- C. All parking stall markings and lane arrows within the parking areas shall be white.
- D. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5888 for more details.
- E. Any broken or missing sidewalk panels, driveway panels and curbing will be replaced.
- F. A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Department for review and approval prior to the recording of the final plat. [\[SD 15-14 CofW Tech Stds\]](#)
- G. Contact Traffic Engineering at 341-7888 forty-eight hours prior to any excavation in the right of way.

MISCELLANEOUS:

- ❖ Contact Traffic Engineering at 341-7888 to discuss street lighting options.
- ❖ Include appropriate City of Wilmington approval stamps prior to submitting final plans.

Please let me know if you have any questions or if I can be of further assistance as this development moves through the review process.